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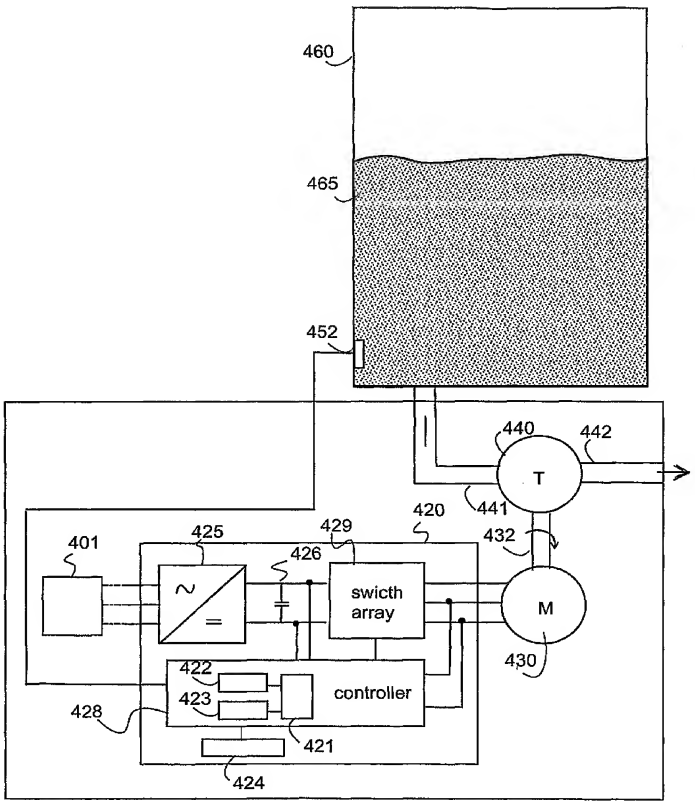
(54) Title: METHOD AND ARRANGEMENT FOR CONTROLLING A PUMPING STATION



(57) Abstract: The invention relates to a method and an arrangement for controlling a pump station. The invention is preferably applied to a pump station connected to a well or a reservoir (460). The purposes of the invention are achieved with a solution involving measurement of the surface level of a liquid (465) by means of a sensor (452) and controlling the electric drive (401, 420, 430) of the pump (440) to a predetermined speed of rotation when a specific surface level value has been reached. This predetermined rotation speed value is preferably the rotation speed at which the ratio of the flow rate to the consumed power, i.e. the efficiency, is optimal. The measurement of the surface level and the related data processing for control of the pump are performed in a frequency converter (420) in conjunction with the control. The invention is applicable to pump stations comprising one or more pumps.

WO 2005/088134 A1

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